

Applicant: Crow et al.  
U.S.S.N.: To be assigned  
Filing Date: To be assigned  
EMC Docket No.: EMC-99-027DIV1

23. (New) The system of claim 22 wherein each extent comprises a start address field and a length field,

the start address field including a pointer to a logical volume portion and a pointer to a data block in the logical volume; and,

the length field fixing the number of consecutive data blocks pointed to by the extent.

24. (New) The system of claim 23 wherein each extent comprises a start address field and a length field,

the start address field including a pointer to a logical volume portion and a pointer to a data block in the logical volume; and,

the length field fixing the number of consecutive data blocks pointed to by the extent.

25. (New) The system of claim 24, the operating system being a UNIX based system.

### **REMARKS**

This application claims priority of U.S. Patent Application No. 09/301,177, filed April 28, 1999.

This preliminary amendment presents new claims 16-25 directed to various aspects of a memory storage system including devices organized in physical data blocks for physical storage of data and at least one processor which uses an extent based file system for abstracting file names to the physical data blocks in the devices by assigning an inode to each file.

New claims 16-20 are directed to a system in which each inode is adapted to store extents

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having a field to point to a logical volume and at least two of the extents indicate different logical volumes. The system may also contain indirect extents pointing to direct extents and direct extents stored in physical data blocks rather than in the inode. These aspects are shown, for example, in Applicants' Figs 1 and 2 and described, for example, at page 7, lines 3-11 of the original specification.

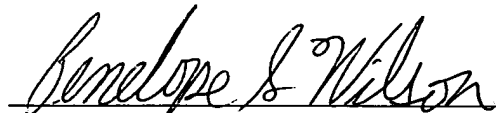
New claims 21-25 are directed to various aspects of a memory system in which an indirect extent is inserted in the inode between the first and second direct extents, the indirect extent pointing an extent written in the physical data blocks rather than in the inode. These aspects are shown, for example, in Figs 8A and 8B and page 8, lines 22-33 and page 9, lines 1-7 of the original specification.

In the event the Examiner deems personal contact desirable in the disposition of this case, the Examiner is invited to call the undersigned attorney at (508) 293-7998.

Please charge all fees occasioned by this submission to Deposit Account No. 05-0889.

Respectfully submitted,

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Penelope S. Wilson, Esq.  
Reg. No. 29,751  
Attorney for Applicants  
EMC Corporation  
Office of General Counsel  
176 South Street  
Hopkinton, MA 01748  
Telephone: (508) 293-7998  
Facsimile: (508) 293-7189